

Fig. 1

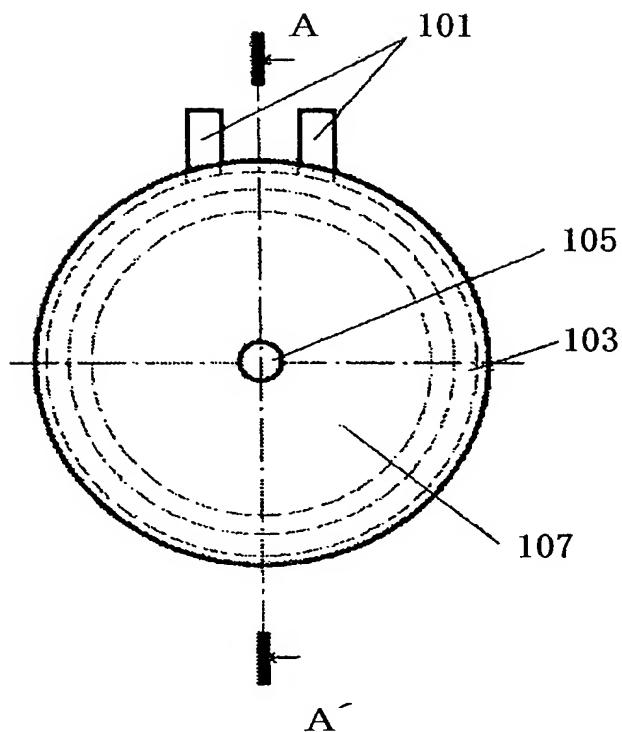


Fig. 2

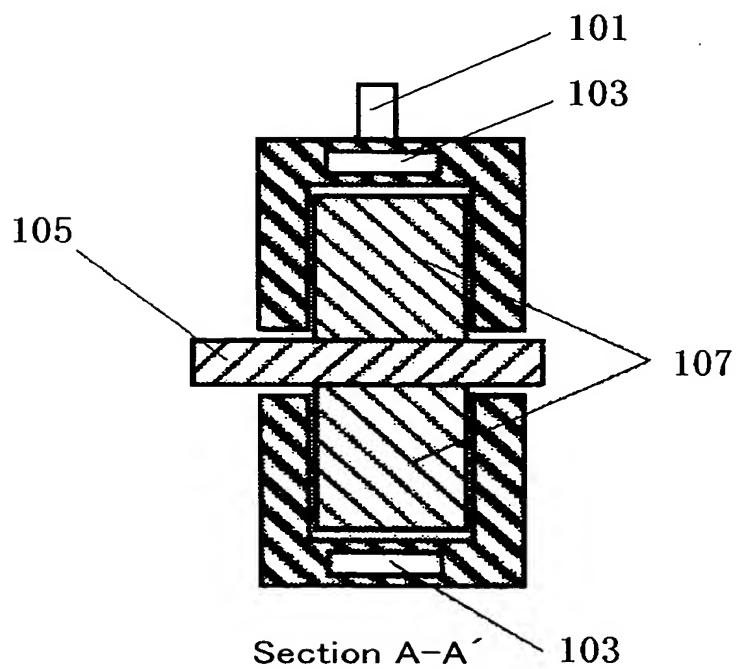


Fig. 3

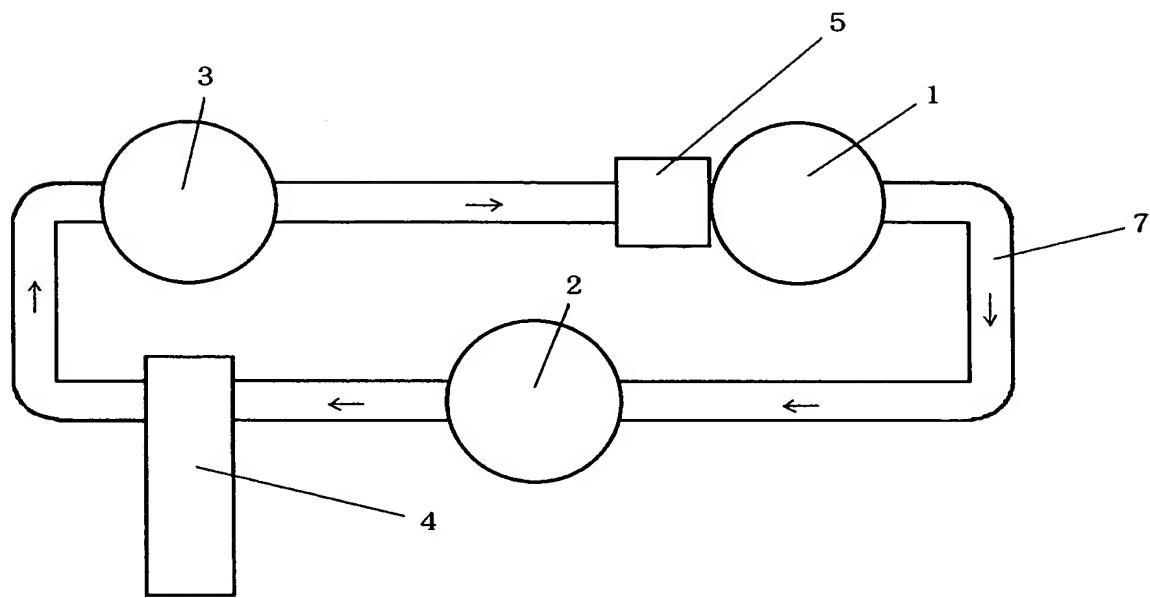
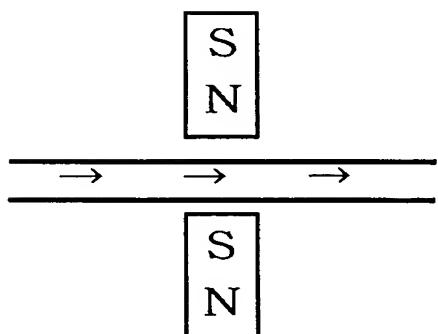


Fig. 4

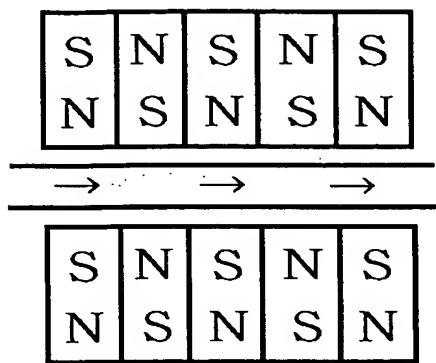


→ : Flow direction of cooling liquid

N : N pole of magnet

S : S pole of magnet

Fig. 5

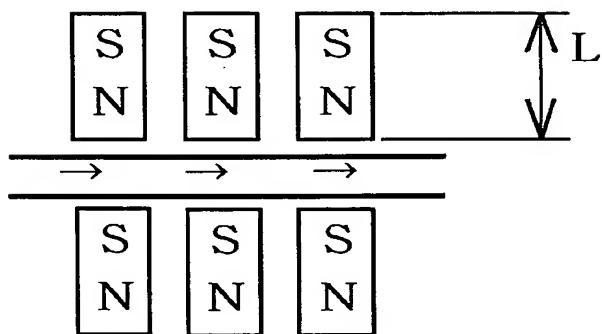


→ : Flow direction of cooling liquid

N : N pole of magnet

S : S pole of magnet

Fig. 6

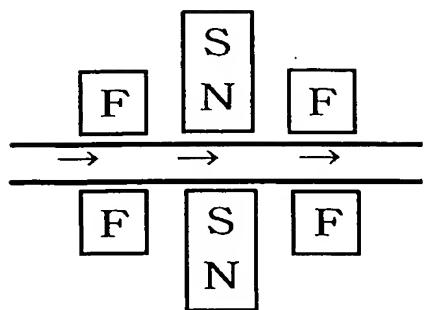


→ : Flow direction of cooling liquid

N : N pole of magnet

S : S pole of magnet

Fig. 7



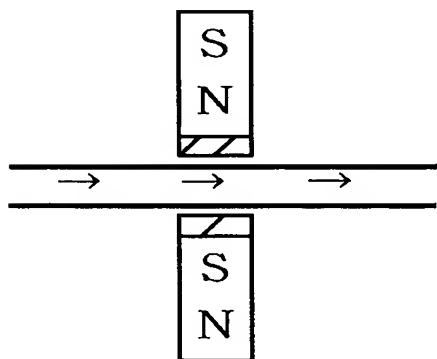
→ : Flow direction of cooling liquid

N : N pole of magnet

S : S pole of magnet

F : Far-infrared ray-generating stone

Fig. 8

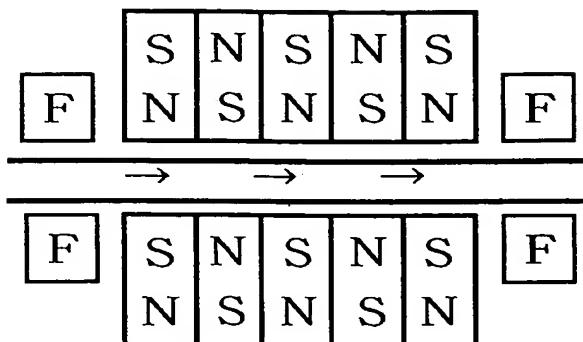


→ : Flow direction of cooling liquid

N : N pole of magnet

S : S pole of magnet

Fig. 9



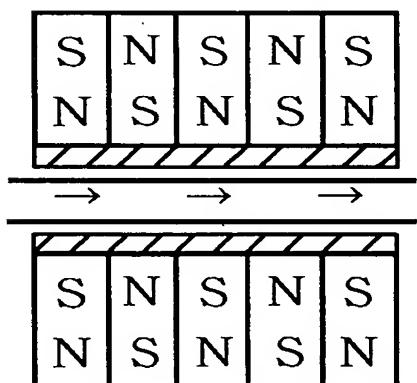
→ : Flow direction of cooling liquid

N : N pole of magnet

S : S pole of magnet

F : Far-infrared ray-generating stone

Fig. 10

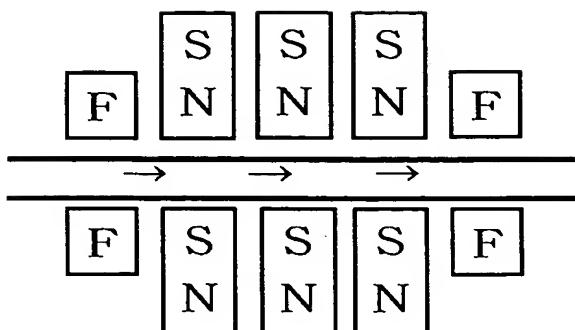


→ : Flow direction of cooling liquid

N : N pole of magnet

S : S pole of magnet

Fig. 11



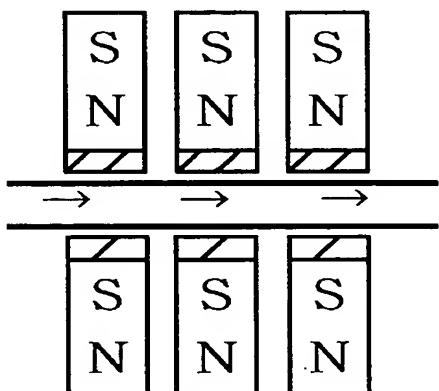
→ : Flow direction of cooling liquid

N : N pole of magnet

S : S pole of magnet

F : Far-infrared ray-generating stone

Fig. 12

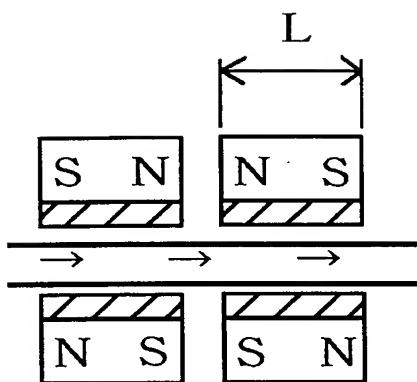


→ : Flow direction of cooling liquid

N : N pole of magnet

S : S pole of magnet

Fig. 13

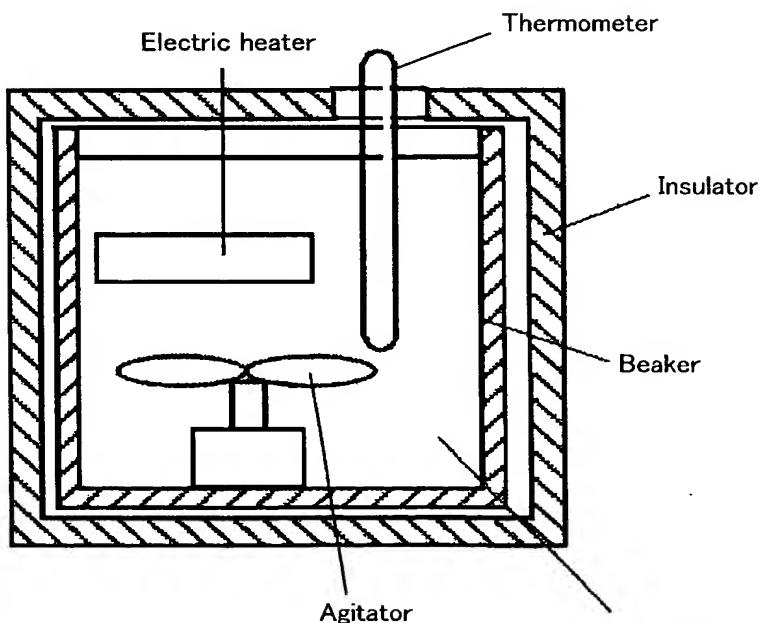


→ : Flow direction of cooling liquid

N : N pole of magnet

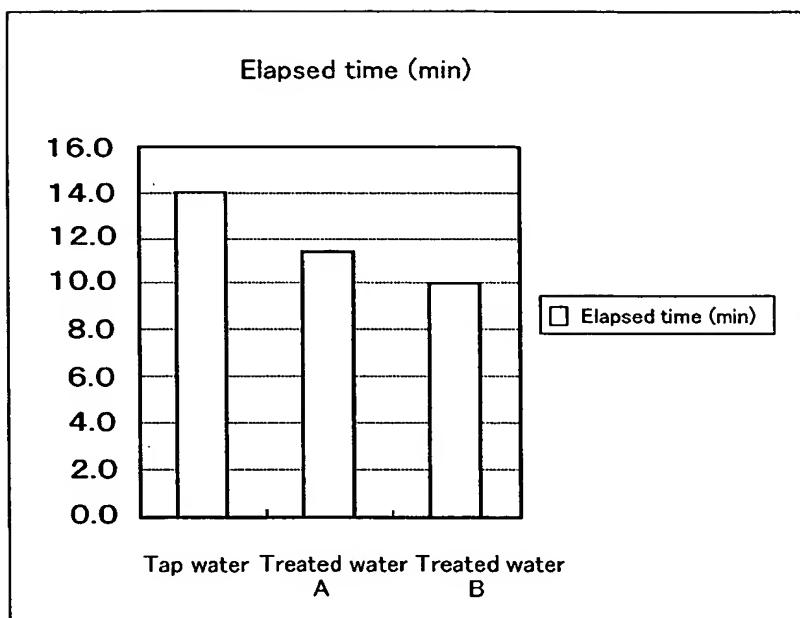
S : S pole of magnet

Fig. 14



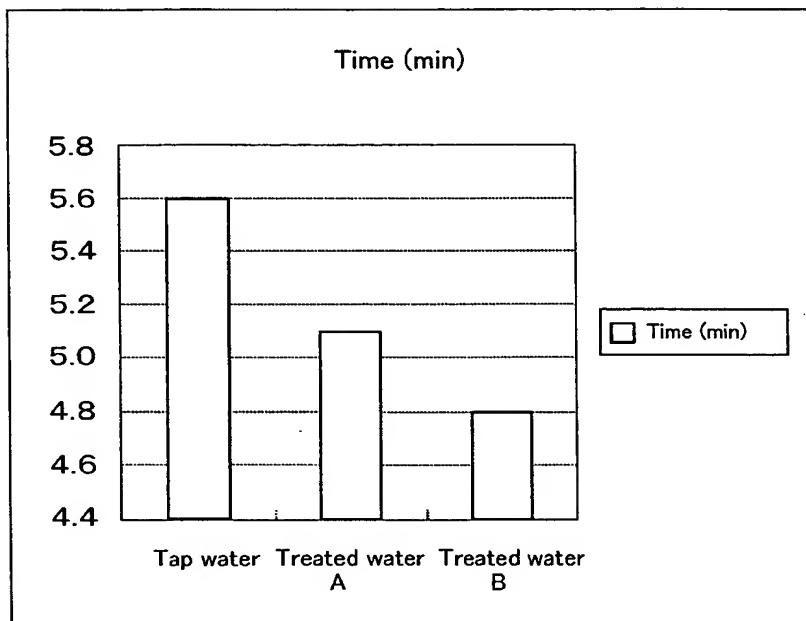
(1) tap water, (2) water treated only with multipolar magnets, and
(3) water treated with multipolar magnets and far-infrared ray

Fig. 15



	Tap water	Treated water A	Treated water B
Elapsed time (min)	14.0	11.4	10.0
Effectiveness (%)	0	18.6%	28.6%

Fig. 16



	Tap water	Treated water A	Treated water B
Time (min)	5.6	5.1	4.8
Effectiveness (%)	0	8.9%	14.3%

Fig. 17

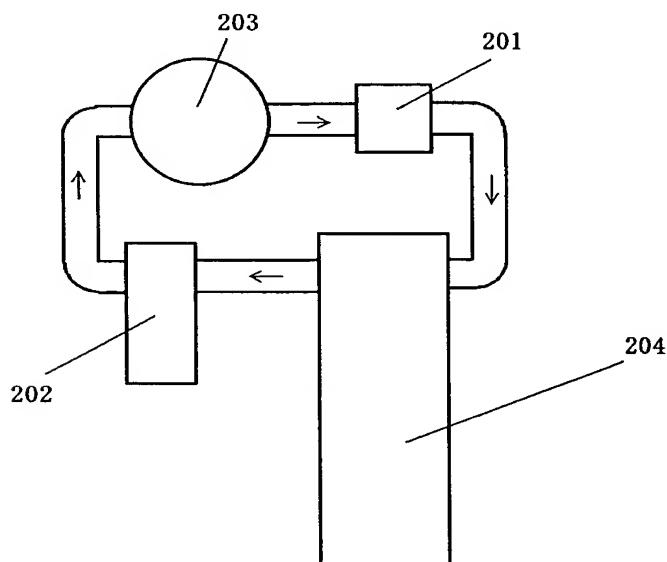


Fig. 18

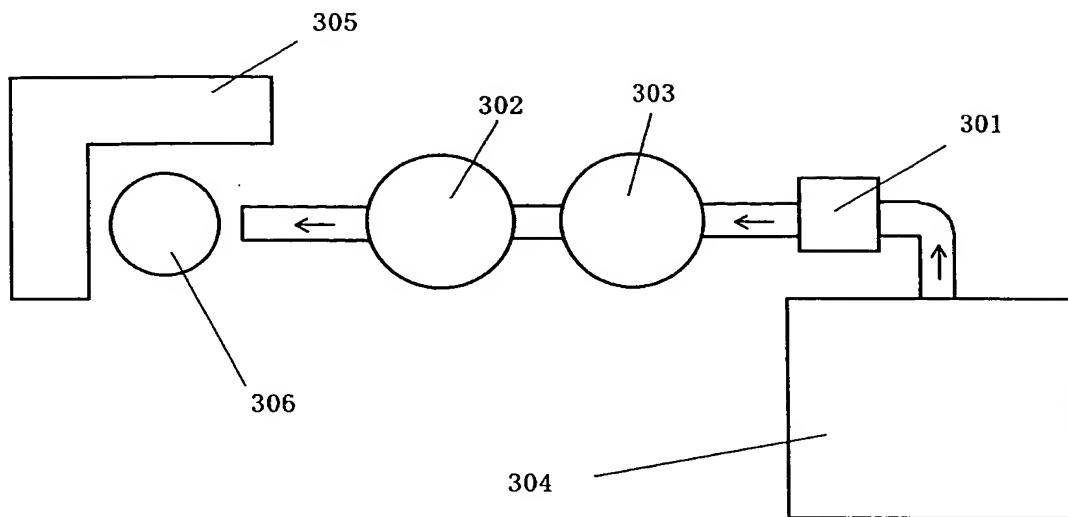


Fig. 19

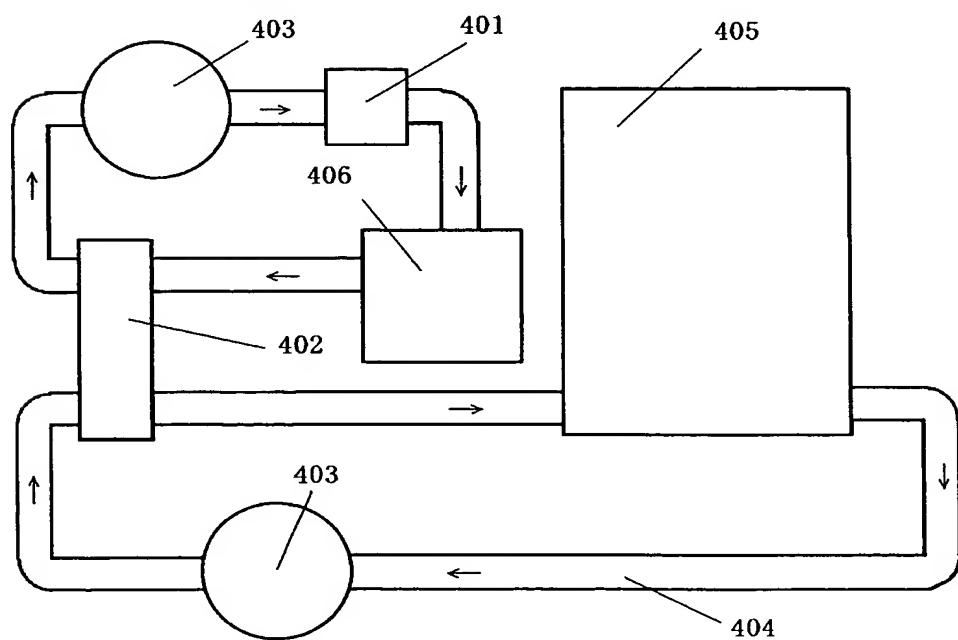


Fig. 20

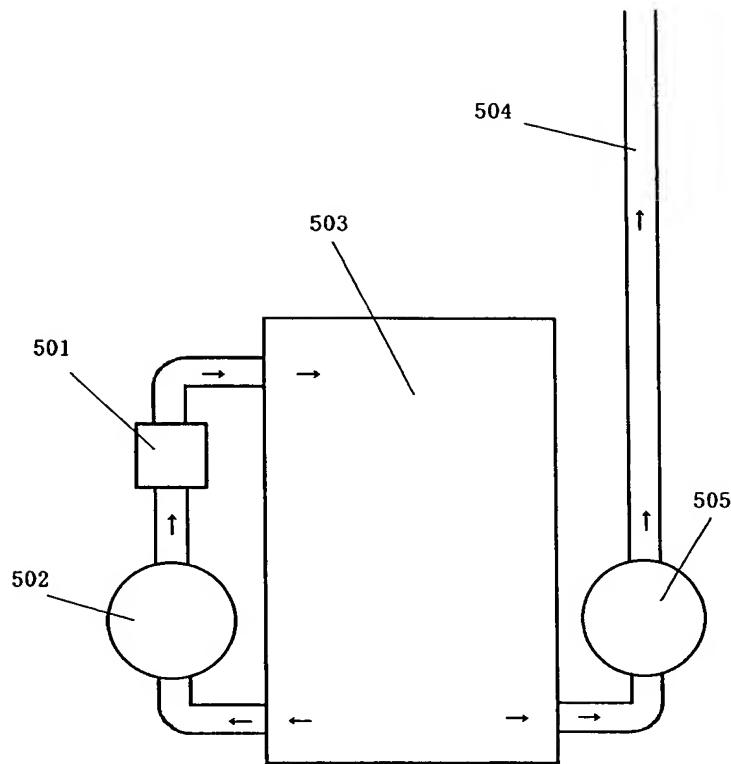
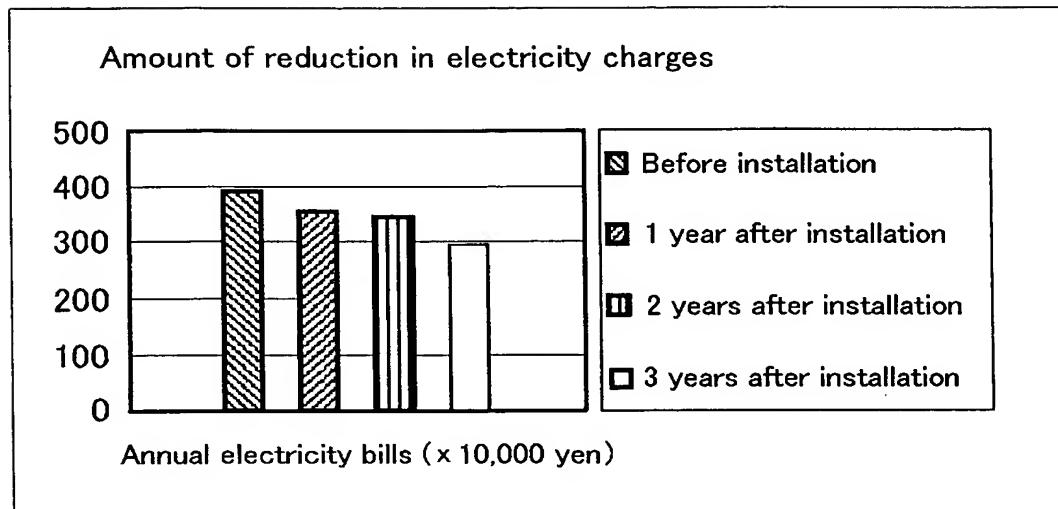


Fig. 21

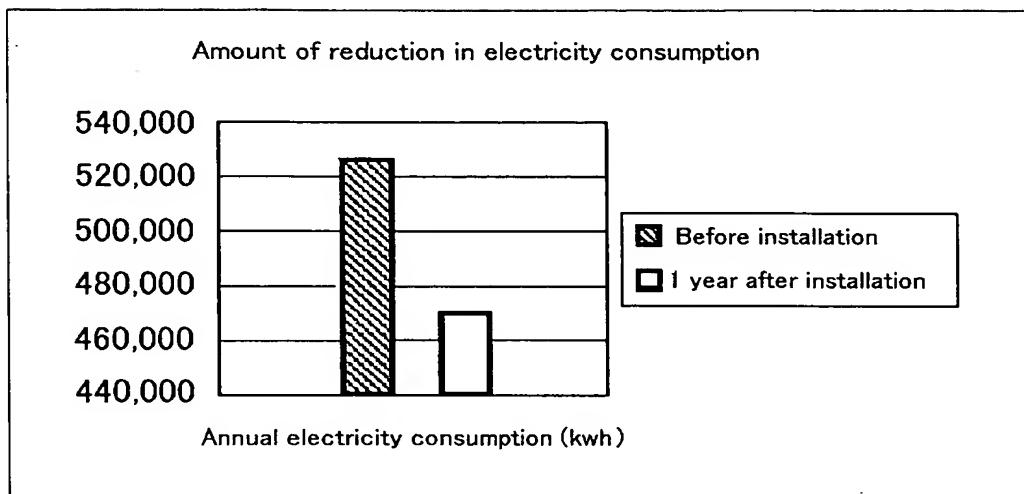
Data of electricity charge reduction at hospital V



	Before installation	1 year after installation	2 years after installation	3 years after installation
Annual electricity bills (x 10,000 yen)	392	355	344	295
Reduction rate (%)	—	9.4%	12.2%	24.7%

Fig. 22

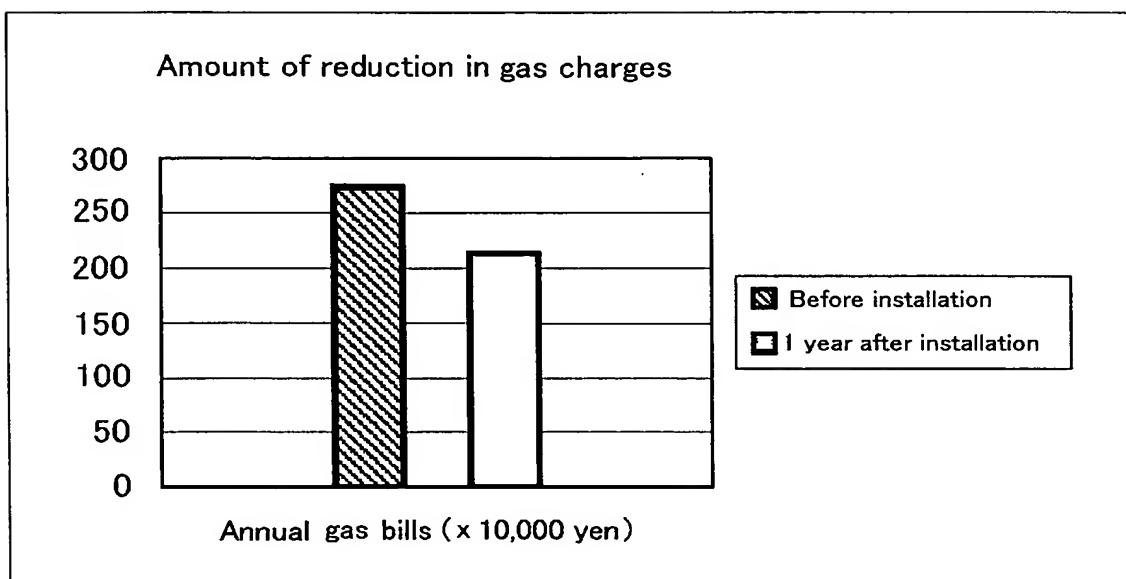
Data of electricity consumption reduction at aged care facilities Y



	Before installation	1 year after installation
Annual electricity consumption (kwh)	526,000	470,000
Reduction rate (%)	—	10.6%

Fig. 23

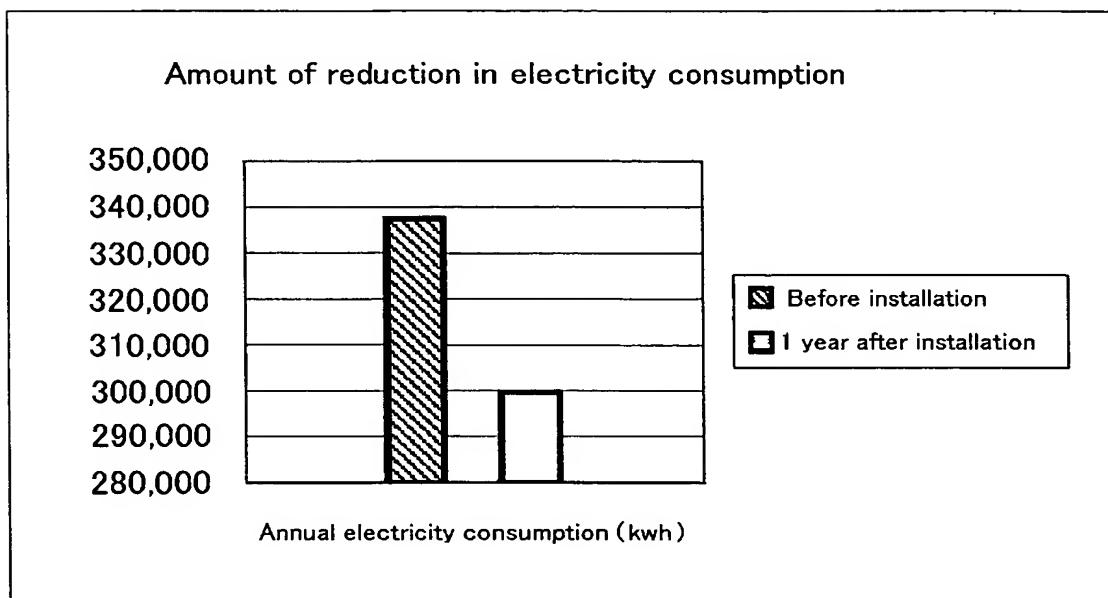
Data of gas charge reduction at learning center M



	Before installation	1 year after installation
Annual gas bills (x 10,000 yen)	274	214
Reduction rate (%)	—	21.9%

Fig. 24

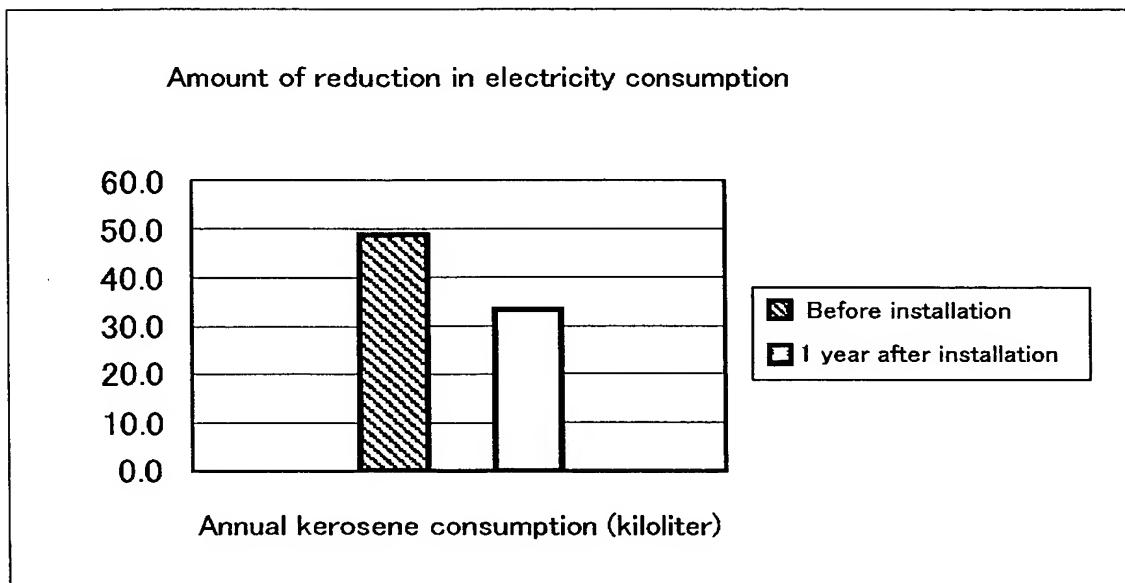
Data of electricity consumption reduction at aged care facilities K



	Before installation	1 year after installation
Annual electricity consumption (kwh)	337,452	299,772
Reduction rate (%)	—	11.2%

Fig. 25

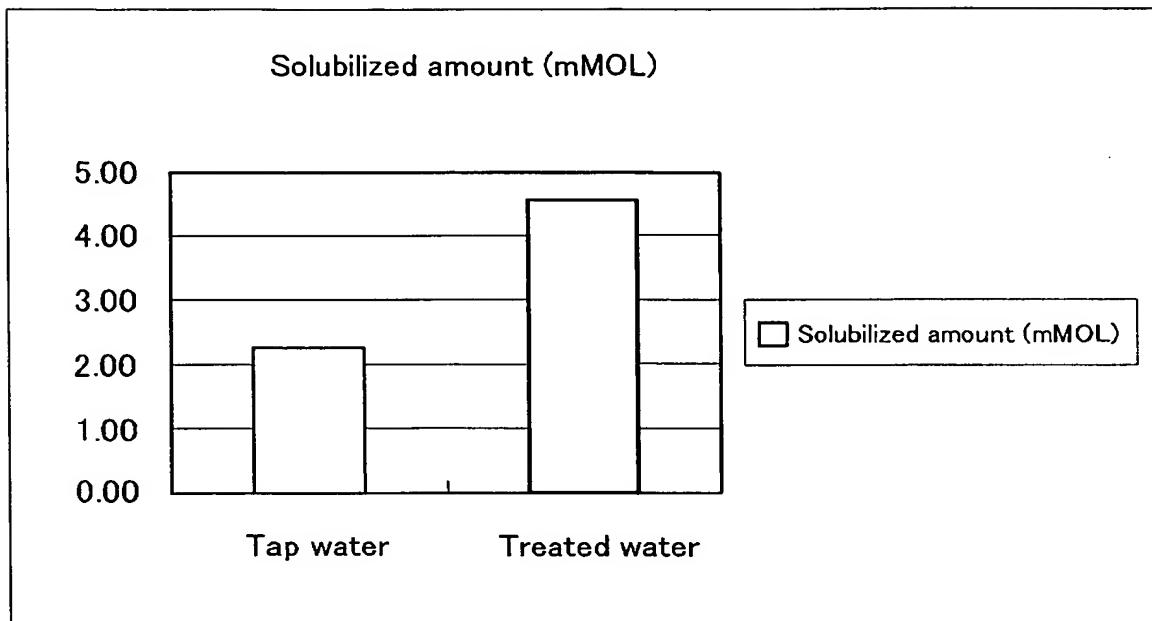
Data of kerosene expense reduction at aged care facilities K



	Before installation	1 year after installation
Annual kerosene consumption (kiloliter)	48.8	33.5
Reduction rate (%)	—	31.4%

Fig. 26

Data of surface activity evaluation in solubilized amount of salad oil



	Tap water	Treated water
Solubilized amount (mMOL)	2.26	4.55
Percentage change (%)	-	101.3%

Fig. 27

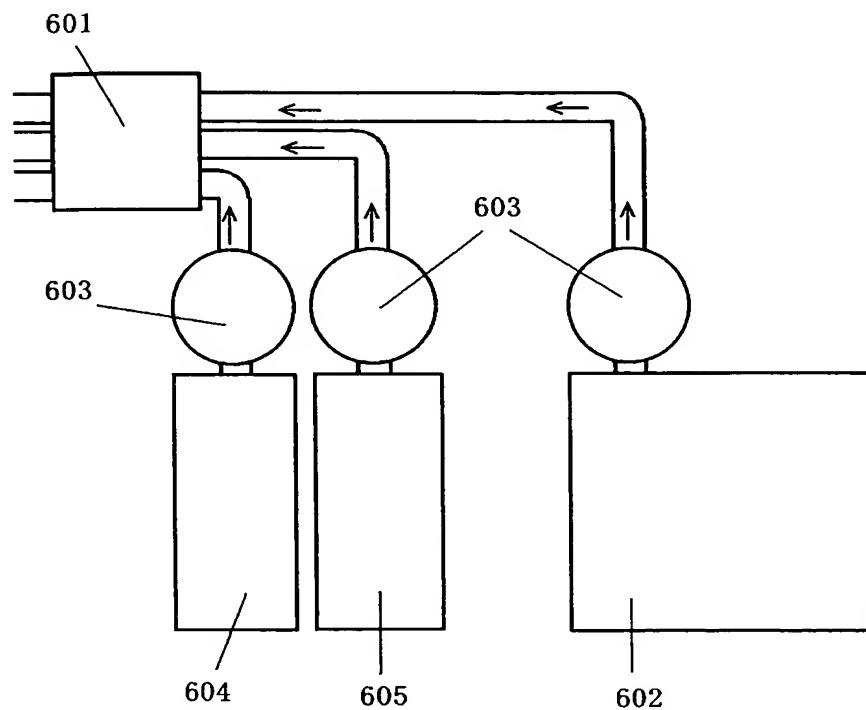


Fig. 28

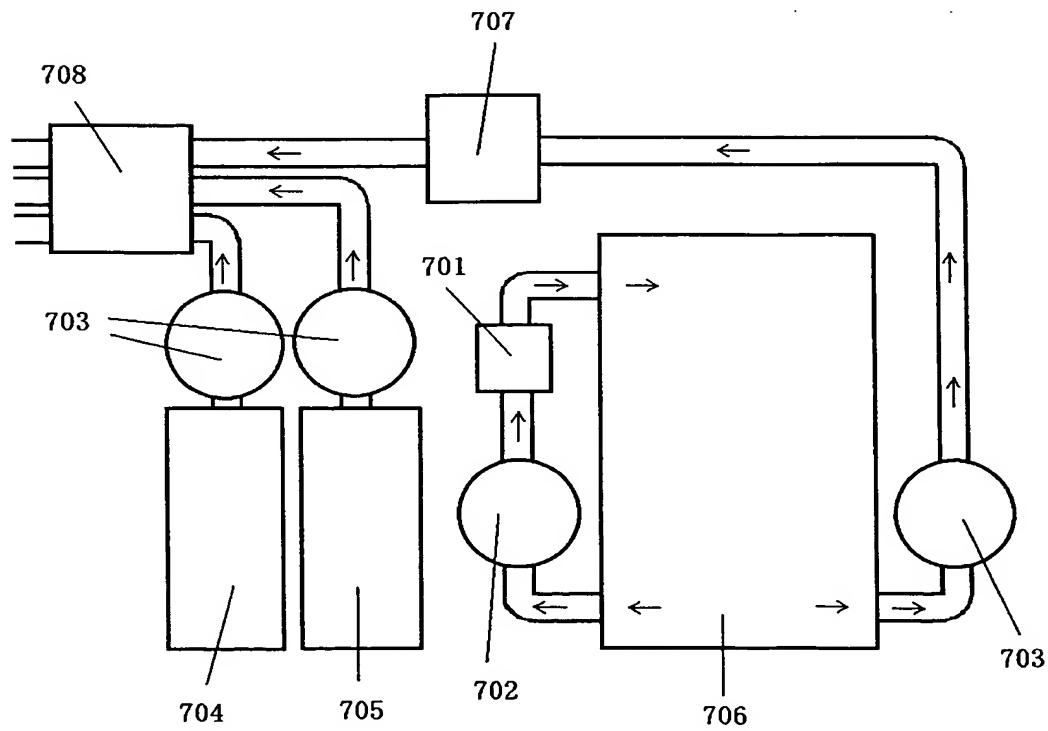


Fig. 29

